**PATENT** 

## (17 & IN) THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF: THOMAS J. CARLSON ET. AL.

CASE NO: BB 1321-1 US PCT

**APPLICATION NO. 09/913,064** 

GROUP ART UNIT: UNKNOWN

FILED: AUGUST 8, 2001

**EXAMINER: UNKNOWN** 

FOR: UDP-GLUCOSE MODIFIERS

## **INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO/SB/08. Also attached hereto is a copy of an International Search Report from a corresponding foreign application and copies of those references cited therein.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E.I. du Pont de Nemours and Company).

Respectfully submitted,

PAUL D. GOLIAN Attorney for Applicants Registration No. 42,591

Telephone No: 302-992-3749 Facsimile No: 302-892-1026

Encl.



.

1277 1 2

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

+

Substitute for form 1449A/PTO

Please type a plus

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

+

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known				
Application Number	09/913,064			
Filing Date	AUGUST 8, 2001			
First Named Inventor	THOMAS J. CARLSON ET. AL.			
Group Art Unit	Unknown			
Examiner Name	Unknown			
Attorney Docket Number	BB 1321-1 US PCT			

	U.S. PATENT DOCUMENTS						
	U.S. Patent D		Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant		
Examiner Initials *	Cite No.1		d Code <sup>2</sup> (nown)	of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	
		5,846,784		WILLIAM D. HITZ	12-8-98		
					,		
	ļ	<b></b>	J	ļ			
	<del> </del>	<del> </del>					
	<del> </del> -	<del> </del>					
	<del> </del>	<del> </del>	+	<del> </del>			
	<del> </del>		<del>-                                    </del>	<del> </del>			
	ļ	<u> </u>					
	ļ						
		ļ					
	ļ						
		<del> </del>					
	1		- 1	]			

	FOREIGN PATENT DOCUMENTS								
Examiner Cite		Foreign Patent Document				Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Initials*	No.1	Office <sup>3</sup>	Number⁴	Kind Co know	ode <sup>5</sup> (if wn)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T <sub>6</sub>
		World	98/543	35	A1	Danisco A/S	12-03-1998		
				}					

Examiner Signature	Date Considered	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark hee if English language Translation is attached.



PTO/SB/08B(08-00)

ype a plus sign (+) inside this box

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE aperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO Complete if Known **Application Number** 09/913,064 INFORMATION DISCLOSURE Filing Date **AUGUST 8, 2001** STATEMENT BY APPLICANT First Named Inventor THOMAS J. CARLSON ET. AL. **Group Art Unit** Unknown (use as many sheets as necessary) **Examiner Name** Unknown Sheet of 1 Attorney Docket Number BB 1321-1 US PCT

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 1173555, 2-2-96, SLOCUM, R.D.ET. AL., CLONING AND CHARACTERIZATION OF A UDP-GALACTOSE-4-EPIMERASE ('GALACTOWALDENASE') AND ITS EXPRESSION IN PEA TISSUES			
	٠.,	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 3021357, 4-27-99, BRUNSTEDT, J., ET. AL., ISOLATION AND EXPRESSION OF TWO CDNA CLONES ENCODING UDP-GALACTOSE EPIMERASE EXPRESSED IN DEVELOPING SEEDS OF THE ENDOSPERMOUS LEGUME GUAR			
	-	MORTEN JOERSBO, ET. AL., PLANT SCIENCE, VOL. 142:147-154, 1999, ISOLATION AND EXPRESSION OF TWO cDNA CLONES ENCODING UDP-GALACTOSE EPIMERASE EXPRESSED IN DEVELOPING SEEDS OF THE ENDOSPERMOUS LEGUME GUAR			
		TED M. KLEIN, ET. AL, NATURE. VOL. 327:70-73, 1987, HIGH-VELOCITY MICROPROJECTILES FOR DELIVERING NUCLEIC ACIDS INTO LIVING CELLS			
		THOMAS L. SIMS ET AL., NUCLEIC ACID RESEARCH, VOL. 17(11):4386, 1989, THE GLYCININ GY1 GENE FROM SOYBEAN			
	-	PETER DORMANN, ET. AL., THE PLANT JOURNAL VOL. 13(5):641-652, 1998, THE ROLE OF UDP-GLUCOSE EPIMERASE IN CARBOHYDRATE METABOLISM OF ARABIDOPSIS			
		MARC R. LAKE, ET. AL., PLANT PHYS. BIOCHEM., VOL. 36(8):555-562, 1998, MOLECULAR CLONING AND CHARACTERIZATION OF A UDP-GLUCOSE-4-EPIMERASE GENE (gale) AND ITS EXPRESSION IN PEATISSUES			
		PETER DORMANN, ET. AL., ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, VOL. 327(1):27-34, 1996, FUNCTIONAL EXPRESSION OF URIDINE 5'-DIPHOSPHO-GLUCOSE 4-EPIMERASE (EC 5.1.3.2.) FROM ARABIDOPSIS THALIANA IN SACCHAROMYCES CEREVISIAE AND ESCHERICHIA COLI			
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO. AW267428, 1-6-00, WALBOT, V., MAIZE ESTS FROM VARIOUS CDNA LIBRARIES SEQUENCED AT STANFORD			

Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.



Under the Paramer Reduction 30 to 1995, no

50C0

JC10 PCT/PTO

8 OCT 2001

Approved for use through 10/31/2002. OMB 0651-0031

D:S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

#3

## Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Assistant Commissioner for Patents Washington, D.C. 20231

on <u>Notober 15, 2001</u>.

Signature

LISA Z. TURNER

Type or printed name of person signing Certificate

Note:

Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

APPLICATION NUMBER: 09/913,064 DOCKET NUMBER: BB 1321-1 US PCT INFORMATION DISCLOSURE STATEMENT PTO/SB/08 FORMS (2) INTERNATIONAL SEARCH REPORT REFERENCES POSTCARD

Burden Hour Statement: This form is estimated to take 0.03 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DOCUMENT PROCESSING BRANCH OF 17